Revised September 6, 2005

SOUTH COAST HYDROLOGIC REGION

South Lahontan Region
LA Aqueduct
W Branch California Aqueduct (SWP)

Flow in TAF

1998	2000	2001
663	866	874

South Lahontan Region
E Branch California Aqueduct (SWP)

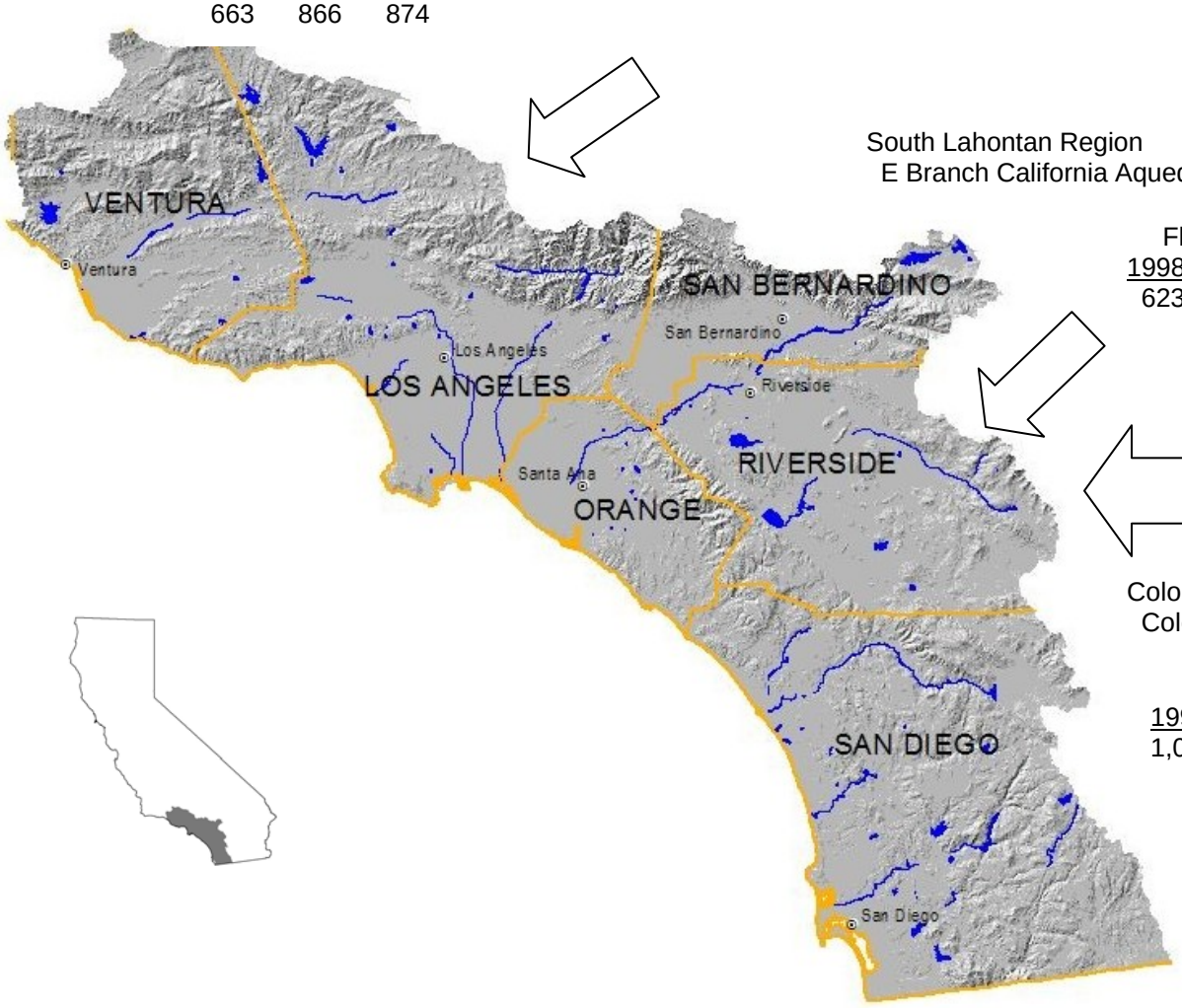
Flow in TAF

1998	2000	2001
623	829	381

Colorado River Region
Colorado R. Aqueduct

Flow in TAF

1998	2000	2001
1,081	1,296	1,250



Some Statistics

- Area - 10,925 square miles (6.9 % of State)
- Average annual precipitation – 17.6 inches
- Year 2000 population - 18,223,425
- 2030 projected population – 23,827,075
- Total reservoir storage capacity - 3,059 TAF
- 2000 irrigated crop area - 280,260 acres

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SOUTH COAST HYDROLOGIC REGION
WATER BALANCE SUMMARY - TAF

Water Entering the Region – Water Leaving the Region = Storage Changes in Region

	Water Year (Percent of Normal Precipitation)		
	1998 (205%)	2000 (72%)	2001 (92%)
Water Entering the Region			
Precipitation	20,873	7,522	9,327
Inflow from Oregon/Mexico	0	0	0
Inflow from Colorado River	1,081	1,296	1,250
Imports from Other Regions	1,286	1,695	1,255
Total	**23,240**	**10,513**	**11,832**
Water Leaving the Region			
Consumptive Use of Applied Water * (Ag, M&I, Wetlands)	1,468	1,819	1,628
Outflow to Oregon/Nevada/Mexico	0	0	0
Exports to Other Regions	0	0	0
Statutory Required Outflow to Salt Sink	0	0	0
Additional Outflow to Salt Sink	2,110	2,498	2,325
Evaporation, Evapotranspiration of Native Vegetation, Groundwater Subsurface Outflows, Natural and Incidental Runoff, Ag Effective Precipitation & Other Outflows	20,514	7,441	8,947
Total	**24,092**	**11,758**	**12,900**
Storage Changes in the Region [+] Water added to storage [–] Water removed from storage			
Change in Surface Reservoir Storage	372	128	332
Change in Groundwater Storage **	-1,224	-1,373	-1,400
Total	**-852**	**-1,245**	**-1,068**

Applied Water * (compare with Consumptive Use) * Definition - Consumptive use is the amount of applied water used and no longer available as a source of supply. Applied water is greater than consumptive use because it includes consumptive use, reuse, and outflows.	4,184	5,041	4,633

<u>Footnote for change in Groundwater Storage</u>

Change in Groundwater Storage is based upon best available information. Basins in the north part of the State (North Coast, San Francisco, Sacramento River and North Lahontan Regions and parts of Central Coast and San Joaquin River Regions) have been modeled – spring 1997 to spring 1998 for the 1998 water year and spring 1999 to spring 2000 for the 2000 water year. All other regions and year 2001 were calculated using the following equation:

GW change in storage =
intentional recharge + deep percolation of applied water + conveyance deep percolation - withdrawals

This equation does not include the unknown factors such as natural recharge and subsurface inflow and outflow.